

REPORT / RECOMMENDATION



To: MAYOR AND CITY COUNCIL

Agenda Item #: IV. G.

From: Chad A. Millner, PE, Director of Engineering

Action ☒

Discussion ☐

Date: May 20, 2014

Information ☐

Subject: Authorize Engineering Services for Valley View Road – Preliminary Engineering

Action Requested:

Authorize City Manager to approve attached proposal for Engineering Services with WSB, Inc.

Information / Background:

Valley View Road from McCauley Trail to 1000-ft North of Braemar Boulevard is scheduled for reconstruction in 2015. This segment of Valley View Road is designated as a MnDOT State Aid Roadway (MSA). The project involves the reconstruction of approximately 1,800-ft of road, utility improvements as determined after evaluation, and installation of pedestrian improvements including sidewalks and potential bike lanes. It is anticipated that utility improvements will be minimal.

The project will be funded by a combination of MSA funds, special assessments, and utility funds. By using MSA funds, the project must meet MSA design standards or it must receive approval by variance if necessary. The existing curves do not meet MSA standards. Staff will investigate alternatives that may or may not need variances.

The topographic survey and some preliminary design work for this project has already been completed by City staff. This includes preliminary road and sidewalk alignments and profiles. The City will see savings in the design fee because we have completed some of this upfront work. WSB will use this information as a starting point for their analysis.

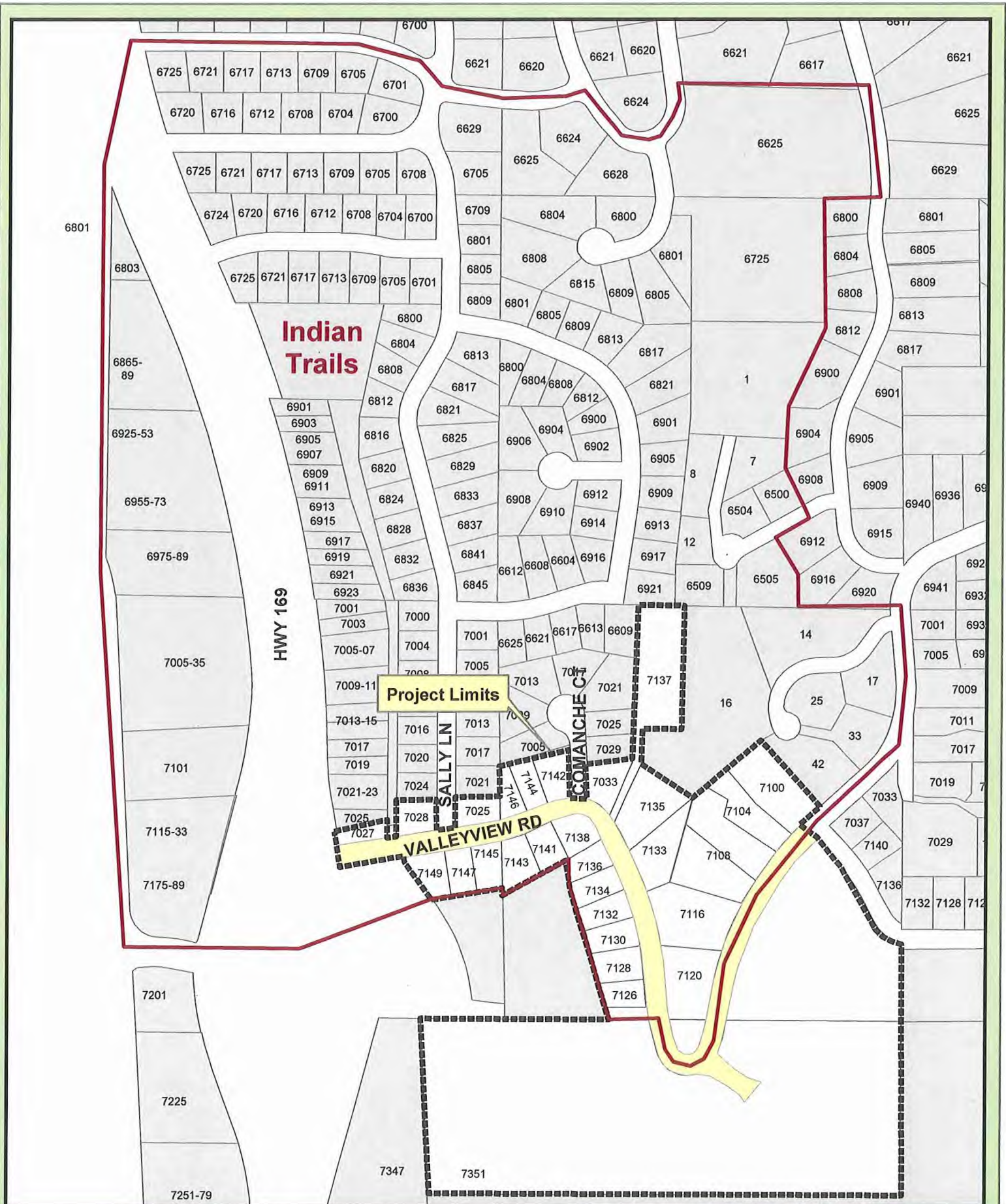
Stakeholder input will be conducted with the residents adjacent to the roadway and also with the Indian Trails Neighborhood located just north of the project area. This will include mailed questionnaires and stakeholder input meetings.

The fee for this portion of the project is \$23,000. This project is listed in the 2014 / 2015 CIP as Project # ENG-13-009 which appropriated \$1,100,000 for design and construction.

Attachments:

- Project Location Map
- Engineering Proposal for Preliminary Engineering Services for Valley View Road

G:\PW\CENTRAL SVCS\ENG DIV\PROJECTS\IMPR NOS\BA377 VV Rd fr McCauley-Braemar(Hairpin)\ADMIN\MISC\Item IV. G. Engineering Services - Preliminary Engineering For Valley View Road.docx



Preliminary Project Area **Valley View Road Neighborhood** **Improvement No: BA-377**



Engineering Dept
May, 2014



Infrastructure ■ Engineering ■ Planning ■ Construction

701 Xenia Avenue South
Suite 300
Minneapolis, MN 55416
Tel: 763 541-4800
Fax: 763 541-1700

May 12, 2014

Mr. Chad Millner, PE
Director of Engineering
City of Edina
7450 Metro Boulevard
Edina, MN 55439

Re: Valley View Road Improvements
Proposal for Engineering Services
Preliminary Design Services
City of Edina, MN

Dear Mr. Millner:

WSB & Associates, Inc. (WSB) is pleased to submit the attached proposal for the Preliminary Design Engineering Services for improvements on Valley View Road from McCauley Trail to 1000' North of Braemar Boulevard. Our proposal includes a scope of services with estimated cost to complete those services and an anticipated schedule.

This project involves the reconstruction of approximately 1,800 feet of Valley View Road. The existing roadway consists of a two-lane rural section. The section includes two hairpin curves that do not meet State Aid standards. Since the roadway is on the State Aid system and the City wishes to utilize State Aid funds for the project, it is anticipated that variances may need to be requested for meeting a lower design speed. WSB will evaluate alternatives, some of which may not require variances.

Roadway improvements will include reconstructing the roadway, replacement of existing bituminous pavement, potential installation of bike lanes in both directions, sidewalk construction and drainage improvements. Utility systems, including sanitary sewer, watermain, and storm sewer will need to be evaluated to determine rehabilitation or repair methods needed.

Our project team will be led by Mr. Chuck Rickart, P.E., P.T.O.E. He will serve as project manager and coordinate all activities with the City. Mr. Rickart will be assisted by Mr. Andrew Plowman P.E. who has recently provided design and construction engineering services for the City on the Tracy Avenue project, France Avenue project and the Hazelton Road projects. Mr. Rickart and Mr. Plowman will be assisted by an experienced staff of engineers and technicians.

Mr. Chad Millner, PE
City of Edina
May 12, 2014
Page 2 of 2

WSB welcomes this opportunity to continue to work with the City of Edina. WSB commits itself to deliver the City of Edina a quality of services that is consistent with your expectations and WSB's reputation.

Please contact me at 763-287-7183 if you have any questions regarding these proposals.

Sincerely,

WSB & ASSOCIATES, INC.

A handwritten signature in cursive script, reading "Charles T. Rickart".

Charles T. Rickart, PE, PTOE
Principal/Project Manager

Attachments

Valley View Road Improvements
McCauley Trail to 1000' N. of Braemar Boulevard
Preliminary Design
Engineering Services

SCOPE OF WORK

Task 1 – Project Management

This task includes planning and coordination of all work tasks, establishing and monitoring of budgets, communication with City Staff, and periodic meetings with staff on the project status.

Task 2 – Data Collection / Base Mapping

The City has already collected most of the survey base mapping for the corridor, and provided that information to WSB. WSB will compile all the data and request additional topographic survey from the City. WSB will complete the final base mapping from the survey provided by the City. WSB will complete a Gopher State One call to identify the private utilities in the corridor, and put the location of the private utilities in the base map which will be established on the maps provided by the private utility companies.

The City will televisize the existing sanitary sewer and investigate potential breaks in the existing water main system, and provide that data to WSB to determine if full replacement or other rehabilitation activities shall be the solution.

Task 3 - Public Involvement/Meetings

We understand the importance and the City's methods of involving the public and will assist City staff with the preparation of meeting notices, questionnaires/surveys, and power point presentations, as well as assistance with conducting presentations for various public meetings. The following meetings are assumed:

- Open House/Neighborhood Meetings (2)
- Edina Transportation Commission Meeting (1)
- Public Hearing (1)
- City Council Meeting (1)
- Miscellaneous Meetings (1)

Task 4 - Preliminary Engineering Services

Valley View Road is a State Aid Street, and as such the design will be required to meet State Aid standards in order to be eligible for state aid funding (unless a variance is granted). Two existing curves throughout this corridor do not appear to meet State Aid standards. WSB will analyze alternatives or suggest application for a State Aid variance.

The importance of pedestrian accommodations to residents and the fact that Valley View Road is a primary bike route are two factors that will be factored into the proposed design of the roadway

typical section. For instance, it is assumed a sidewalk will be included in the design. WSB will analyze what side of the street may be the most feasible and ramifications of either design. As part of the analysis, WSB will consider the remaining corridor to Gleason Road. A sidewalk begins on both sides of the roadway on Valley View Road starting at Gleason Road and extending to the east. Although the extent of the project may not extend that far whatever design configuration is chosen shall fit with a future project.

There is currently a known flooding issue on Sally Lane, north of Valley View Road. Preliminary analysis has been performed by Barr Engineering. WSB will use this information and recommend to the City the best way to incorporate that into the Valley View Road project.

In addition to the items listed above, WSB will also perform the following tasks:

- Field evaluation of pavement, curb, and sidewalk conditions with City staff
- Field drainage evaluation
- Preliminary roadway typical section for each alternative
- Preliminary roadway alignment, profile, and cross sections
- Identify sanitary sewer and watermain improvements/coordinate with City Staff
- Preliminary storm drainage design in accordance with State Aid and Nine Mile Creek Watershed District requirements
- Consideration of existing box culvert below Valley View Road
- Evaluate on-street bicycle guidelines based on City of Edina's Comprehensive Bicycle Transportation Plan and State Aid guidelines
- Meetings with City staff to review preliminary design findings
- Identify permitting requirements of the Nine Mile Creek Watershed District for storm water treatment and rate control
- Coordination with MnDOT State Aid regarding possible variance and alternatives
- Pavement design based on soil borings and geotechnical report provided by City-hired geotechnical firm.
- Preliminary project cost estimates for each alternative

WSB will provide an extra cost to apply for and assist in the presentation if a variance is determined to be needed.

Task 5 – Preliminary Engineering Report

A preliminary engineering report will be prepared based on the preliminary design of the proposed improvements. The report will include discussion of the existing and proposed conditions for the street and utility work shall include the following items:

- Project location maps and typical sections
- Project photos
- Alternatives Analysis
- Preliminary cost estimates
- Identify funding sources
- Preliminary assessment roll and map based on City's current assessment policy
- Project schedule

- Summary of resident feedback from informational meeting and survey results
- Proposed/Recommended Improvements

Task 6 – Agency / Utility Coordination

Up to four (4) coordination meetings will held with impacted agencies, utilities and property owners along the corridor during preliminary design. These will include, but are not limited to:

- MnDOT State Aid
- Nine Mile Creek Watershed District
- Property Owners
- Private Utilities

ESTIMATED COST

The table below shows WSB's estimate of the cost for the preparation of the Preliminary Design. The estimated cost is \$22,479. This includes WSB's labor at our standard hourly billing rates. WSB will bill the City for the actual hours worked up to the maximum of \$23,000.

Tasks	Project Cost
Task 1 – Project Management	\$2,500
Task 2 – Data Collection	\$1,000
Task 3 – Public Involvement	\$4,500
Task 4 – Preliminary Engineering	\$9,500
Task 5 – Preliminary Engineering Report	\$3,500
Task 6 – Agency/Utility Coordination	\$2,000
Total Cost	\$23,000

SCHEDULE

City Approves Proposal	May 20, 2014
Survey/Base Mapping	June 15, 2014
Draft Preliminary Engineering Report to City for Review	August 14, 2014
Edina Transportation Commission Meeting	August 21, 2014
*Variance Request Submittal	September 1, 2014
*Variance Committee Meeting	September 25, 2014
Council Accepts Preliminary Engineering Report/Sets Public Hearing Date	October, 2014
Conduct Public Hearing/Authorize Preparation of Plans/Specs	November, 2014

*If needed